

ATTORNEY DOCKET NO. 14114.033203
 SERIAL NO. 09/826,115
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| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) PATENT AND TRADEMARK OFFICE LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | ATTORNEY DOCKET NO.: 14114.033203 APPLICANT: Chang FILING DATE: April 4, 2001 | | SERIAL NO. 09/826,115 GROUP: <u>Unassigned</u> 1648 | | |
|--|---|---|-----------------|---|-----------|----------------------------|
| U.S. PATENT DOCUMENTS | | | | | | |
| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLAS S | FILING DATE IF APPROPRIATE |
| AA | 5,514,375 | 05/07/96 | Paoletti et al. | 424 | 199.1 | |
| AB | 5,494,671 | 02/27/96 | doi et al. | 424 | 218.1 | |
| AC | 5,229,293 | 07/20/93 | Matsuda et al. | 435 | 320.1 | |
| AD | 5,021,347 | 06/04/91 | Yasui et al. | 435 | 235 | |
| AE | 4,810,492 | 03/07/89 | Fujita et al. | 424 | 88 | |
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| AF | WO 99/63095 | 12/09/98 | PCT | | | |
| AG | WO 93/06214 | 04/01/93 | PCT | | | |
| AH | WO 92/03545 | 03/05/92 | PCT | | | |
| AI | WO 90/01946 | 03/08/90 | PCT | | | |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | |
| AJ | Abstract, Japanese Patent Publication No. JP 05276941 "Non-infective structure particle preparation, useful as vaccine - by infecting preliminary flavivirus infected cell with cDNA integrated recombinant vaccinia virus, and then separating non-infective structure particles containing E protein of flavivirus," (October 26, 1993) | | | | | |
| AK | Deubel et al., Nucleotide Sequence and Deduced Amino Acid Sequence of the Nonstructural Proteins of Dengue Type 2 Virus, Jamaica Genotype: Comparative Analysis of the Full-Length Genome. <i>Virology</i> . 165: 234-244 (1988) | | | | | |
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| AN | Asnis et al., The West Nile Virus Outbreak of 1999 in New York: The Flushing Hospital Experience. <i>Clin. Infect. Dis.</i> 30: 413-418 (2000) | | | | | |
| AO | Chang et al., A Single Intramuscular Injection of Recombinant Plasmid DNA Induces Protective Immunity and Prevents Japanese Encephalitis in Mice. <i>J. Virol.</i> 74(9): 4244-4252 (2000) | | | | | |
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| AS | Update: Surveillance for West Nile Virus in Overwintering Mosquitoes --- New York, 2000. <i>Morb. Mortal. Wkly. Rep.</i> 49(09): 178-179 (Mar. 10, 2000) |
| AT | Update: West Nile Virus Activity --- Northeastern United States, 2000. <i>Morb. Mortal. Wkly. Rep.</i> 49(36): 820-822 (Sept. 15, 2000) |
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| AV | Anderson et al., Isolation of West Nile Virus from Mosquitoes, Crows, and a Cooper's Hawk in Connecticut. <i>Science</i> 286: 2331-2333 (Dec. 17, 1999) |
| AW | Azevedo et al., Main features of DNA-based immunization vectors. <i>Braz. J. Med. Biol. Res.</i> 32(2): 147-153 (1999) |
| AX | Jia et al., Genetic analysis of West Nile New York 1999 encephalitis virus. <i>Lancet</i> 354: 1971-1972 (Dec. 4, 1999) |
| AY | Lanciotti et al., Origin of the West Nile Virus Responsible for an Outbreak of Encephalitis in the Northeastern United States. <i>Science</i> 286: 2333-2337 (Dec. 17, 1999) |
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| BC | Kuno et al., Phylogeny of the Genus <i>Flavivirus</i> . <i>J. Virol.</i> 72(1): 73-83 (Jan. 1998) |
| BD | Lin et al., DNA Immunization with Japanese Encephalitis Virus Nonstructural Protein NS1 Elicits Protective Immunity in Mice. <i>J. Virol.</i> 72(1): 191-200 (Jan 1998) |
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| BF | Kochel et al., Inoculation of plasmids expressing the dengue 2 envelope gene elicit neutralizing antibodies in mice. <i>Vaccine</i> 15(5): 547-552 (1997) |
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| BJ | Phillipotts et al., Immunization with DNA polynucleotides protects mice against lethal challenge with St. Louis encephalitis virus. <i>Arch. Virol.</i> 141: 743-749 (1996) |
| BK | Sato et al., Immunostimulatory DNA Sequences Necessary for Effective Intradermal Gene Immunization. <i>Science</i> 273: 352-354 (1996) |
| BL | Allison et al., Synthesis and Secretion of Recombinant Tick-Borne Encephalitis Virus Protein E in Soluble and Particulate Form. <i>J. Virol.</i> 69(9): 5816-5820 (Sept 1995) |
| BM | Chen et al., Construction of Intertypic Chimeric Dengue Viruses Exhibiting Type 3 Antigenicity and Neurovirulence for Mice. <i>J. Virol.</i> 69(8): 5186-5190 (Aug 1995) |

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| BO | Venugopal et al., Immunity to St. Louis encephalitis virus by sequential immunization with recombinant vaccinia and baculovirus derived PrM/E proteins. <i>Vaccine</i> 13(11): 1000-1005 (1995) |
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| BT | Mason et al., Japanese Encephalitis Virus-Vaccinia Recombinants Produce Particulate Forms of the Structural Membrane Proteins and Induce High Levels of Protection against Lethal JEV Infection. <i>Virology</i> 180: 294-305 (1991) |
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| BV | Nitayaphan et al., Nucleotide Sequence of the Virulent SA-14 Strain of Japanese Encephalitis Virus and Its Attenuated Vaccine Derivative, SA-14-14-2. <i>Virology</i> 177: 541-552 (1990) |
| BW | Osatomi and Sumiyoshi, Complete Nucleotide Sequence of Dengue Type 3 Virus Genome RNA. <i>Virology</i> 176: 643-647 (1990) |
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| BY | Falgout et al., Proper Processing of Dengue Virus Nonstructural Glycoprotein NS1 Requires the N-terminal Hydrophobic Signal Sequence and the Downstream Nonstructural Protein NS2a. <i>J. Virol.</i> 63(5): 1852-1860 (1989) |
| BZ | Roehrig et al., Synthetic Peptides Derived from the Deduced Amino Acid Sequence of the E-Glycoprotein of Murray Valley Encephalitis Virus Elicit Antiviral Antibody. <i>Virology</i> 171: 49-60 (1989) |
| CA | Zhang et al., Passive Protection of Mice, Goats, and Monkeys Against Japanese Encephalitis With Monoclonal Antibodies. <i>J. Med. Virol.</i> 29: 133-138 (1989) |
| CB | Hahn et al., Nucleotide Sequence of Dengue 2 RNA and Comparison of the Encoded Proteins with Those of Other Flaviviruses. <i>Virology</i> 162: 167-180 (1988) |
| CC | Hashimoto et al., Molecular Cloning and Complete Nucleotide Sequence of the Genome of Japanese Encephalitis Virus Beijing-1 Strain. <i>Virus Genes</i> 1(3): 305-317 (1988) |
| CD | Osatomi et al., Nucleotide Sequence of Dengue Type 3 Virus Genomic RNA Encoding Viral Structural Proteins. <i>Virus Genes</i> 2(1): 99-108 (1988) |
| CE | Zhang et al., Immunization of Mice with Dengue Structural Proteins and Nonstructural Protein NS1 Expressed by Baculovirus Recombinant Induces Resistance to Dengue Virus Encephalitis. <i>J. Virol.</i> 62(8): 3027-3031 (1988) |
| CF | Mackow et al., The Nucleotide Sequence of Dengue Type 4 Virus: Analysis of Genes Coding for Nonstructural Proteins. <i>Virology</i> 159: 217-228 (1987) |
| CG | Sumiyoshi et al., Complete Nucleotide Sequence of the Japanese Encephalitis Virus Genome RNA. <i>Virology</i> 161: 497-510 (1987) |
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| CJ | Deubel et al., Nucleotide Sequence and Deduced Amino Acid Sequence of the Structural Proteins of Dengue Type 2 Virus, Jamaica Genotype. <i>Virology</i> 155: 365-377 (1986) |
| CK | Kimura-Kuroda et al., Antigenic Comparison of Envelope Protein E between Japanese Encephalitis Virus and Some Other Flaviviruses Using Monoclonal Antibodies. <i>J. Gen. Virol.</i> 67: 2663-2672 (1986) |
| CL | Zhao et al., Cloning Full-Length Dengue Type 4 Viral DNA Sequences: Analysis of Genes Coding for Structural Proteins. <i>Virology</i> 159: 77-88 (1986) |
| CM | Rice et al., Nucleotide Sequence of Yellow Fever Virus: Implications for Flavivirus Gene Expression and Evolution. <i>Science</i> 229: 726-733 (1983) |
| CN | Seeger et al., The cloned genome of ground squirrel hepatitis virus is infectious in the animal. <i>Proc. Natl. Acad. Sci. USA</i> 81(18): 5849-5852 (Sep 1984) |
| CO | Kimura-Kuroda et al., Topographical Analysis of Antigenic Determinants on Envelope Glycoprotein V3 (E1) of Japanese Encephalitis Virus, Using Monoclonal Antibodies. <i>J. Virol.</i> 45(1): 124-132 (1983) |
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| CO | Hunt and Calisher, Relationships of Bunyamwera Group Viruses by Neutralization. <i>Amer. J. Trop. Med. Hyg.</i> 28(4): 740-749 (1979) |
| EXAMINER: _____ DATE CONSIDERED: 09/20/06 | |
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* References were not considered because the IDS fails to comply with 37 C.F.R. 1.97 and 1.98.

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| | | | | GROUP: <u>Unassigned</u> 16493 | |
| U.S. PATENT DOCUMENTS | | | | | |
| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS |
| | 81 | 6,245,477 | 12/26/00 | Ivy et al. | |
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| 85 | Gruenberg et al. Partial Nucleotide Sequence and Deduced Amino Acid Sequence of the Structural Proteins of Dengue Virus Type 2, New Guinea C and PUD-218 Strains. <i>J. Gen. Virol.</i> 69:1391-1398 (1988) | | | | |
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| 88 | Hubálek et al. West Nile Fever-A Reemerging Mosquito-Borne Viral Disease in Europe. <i>Emerg. Infect. Dis.</i> 5(5):643-650 (1999) | | | | |
| 89 | Kohler et al. Continuous cultures of fused cells secreting antibody of predefined specificity. <i>Nature</i> 256:495-497 (August 7, 1975) | | | | |
| 810 | Konishi et al. Avipox virus-vectored Japanese encephalitis virus vaccines: Use as vaccine candidates in combination with purified subunit immunogens. <i>Vaccine</i> 12(7):633-638 (1994) | | | | |
| 811 | Kozak. Circumstances and Mechanisms of Inhibition of Translation by Secondary Structure in Eucaryotic mRNAs. <i>Mol. Cell. Biol.</i> 9(11):5134-5142 (November 1989) | | | | |
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| B13 | Lei et al. Immunization of Monkeys with Recombinant-expressed Dengue Envelope and NS1 Glycoproteins Induces Partial Resistance to Challenge with Homotypic Dengue Virus. In <i>Vaccines 90: Modern Approaches to New Vaccines including Prevention of AIDS</i> , Cold Spring Harbor Laboratory, Cold Springs Harbor, NY pp. 119-124 (1990) |
| B14 | Mason et al. Sequence of the Dengue-1 Virus genome in the Region Encoding the Three Structural Proteins and the Major Nonstructural Protein NS1. <i>Virology</i> 161:262-267 (1987) |
| B15 | Smithburn et al. A Neurotropic Virus Isolated From The Blood Of A Native Of Uganda. <i>Am. J. Trop. Med. Hyg.</i> 20:471-492 (1940) |
| B16 | Tardei et al. Evaluation of Immunoglobulin M (IgM) and IgG Enzyme Immunoassays in Serologic Diagnosis of West Nile Virus Infection. <i>J. Clin. Microbiol.</i> 38(6):2232-2239 (June 2000) |
| B17 | Tsai et al. Japanese Encephalitis Vaccines. In <i>Vaccines</i> , (3 rd edition) (edited by Plotkin and Orenstein), W.B. Saunders Company, Philadelphia, PA. Chapter 27, pp. 672-710 (1999) |
| B18 | Tsai et al. Japanese Encephalitis Vaccines. In <i>Vaccines</i> , (2 nd edition) (edited by Plotkin and Mortimer), W.B. Saunders Co., Philadelphia, PA. Chapter 24, pp. 671-713 (1994) |
| B19 | Yong et al. A p300/CBP-associated factor that competes with the adenoviral oncoprotein E1A. <i>Nature</i> 382:319-324 (July 25, 1996) |
| EXAMINER: <i>[Signature]</i> DATE CONSIDERED: 09/20/06 | |
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